



OGMCOAL DNR &lt;ogmcoal@utah.gov&gt;

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## South Fork of Quitchupah Monitoring

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**Vicky Miller** <vmiller@bowieresources.com>

Mon, Dec 15, 2014 at 9:03 AM

To: "Steve Christensen (stevechristensen@utah.gov)" <stevechristensen@utah.gov>, "Amanda Daniels (amandadaniels@utah.gov)" <amandadaniels@utah.gov>, "OGMCOAL OGMCOAL (OGMCOAL@utah.gov)" <OGMCOAL@utah.gov>, "Hamilton, Rob -FS (rhamilton@fs.fed.us)" <rhamilton@fs.fed.us>

Cc: John Byars <jbyars@bowieresources.com>, Wyatt Shakespear <WShakespear@bowieresources.com>, Vicky Miller <vmiller@bowieresources.com>

During the two week period the stream channel was snow covered (5050, 5067, 5111) and during the visits on December 8 and 9, additional snow was observed to have drifted into the channel. Due to heavy fog, muddy roads and melting snow drifts we were unable to access the South Fork of Quitchupah on December 2. On December 3 there was still heavy fog, however frozen ground and fresh snow assisted in accessing the site by four wheeler (5038). The springs above the road culvert were observed to be flowing on both the 3rd and the 9th (5057, 5103). The ponds were dry with no ice cover (5062). Rock falls were found on December 8th near Monitoring point 006C.

A drawing is attached showing the location of mining. Please contact us with questions. Thanks, Vicky

From: Vicky Miller

Sent: Tuesday, December 2, 2014 8:16 AM

To: 'Steve Christensen (stevechristensen@utah.gov)'; 'Amanda Daniels (amandadaniels@utah.gov)'; 'OGMCOAL OGMCOAL (OGMCOAL@utah.gov)'; 'Hamilton, Rob -FS (rhamilton@fs.fed.us)'

Cc: John Byars; Wyatt Shakespear; Vicky Miller

Subject: South Fork of Quitchupah Monitoring

During the Nov. 17th visit to the South Fork of Quitchupah several inches of snow were observed to have covered the stream channel. The ponds were dry and there was no water flowing above the road culvert to monitoring point 006C. The springs upstream of the road culvert were running at the rate observed earlier in November (4976). Water was observed to be flowing below monitoring point 006C (4965). The observations of the stream were similar during the Nov. 20th visit and no new cracks were observed crossing the stream channel (4995).

Although an attempt was made to reach South Fork on Nov. 24, the snow drifts across the road prevented access. The snow storm on the 23rd dropped 3 – 4 inches at the mine site, we estimate snow fall in the mountains was double. On Nov. 26, there was roughly 8" of snow at the South Fork road culvert however the snow in the canyon appeared deeper (5012). No water was visible in the channel due to the snow (5018). Some new rock falls were noted during this visit. The ponds were still dry (5037).

A drawing is attached showing the location of mining.

Please contact us with questions. Thanks, Vicky

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### 8 attachments

**IMGP5038.JPG**  
1730K



**IMGP5050.JPG**  
1793K



**IMGP5057.JPG**  
1756K



**IMGP5062.JPG**  
1829K



**IMGP5067.JPG**  
1774K



**IMGP5103.JPG**  
1762K



**IMGP5111.JPG**  
1693K



**Mine Map Dec 14 2014.pdf**  
107K